## 18 Power BI

PART 2 OF 3: IMPROVING SPEED

- 1. Limit the number of visuals in dashboards and reports
- 2. Remove unnecessary interactions between visuals
- 3. Use on-premises data gateway instead of Personal Gateway
- 4. Use separate gateways for Power BI service live connection and scheduled data refresh
- 5. Test custom visuals before use
- 6. <u>Limit</u> complex measures and aggregations in data models
- 7. Use Star schema instead of Snowflake schema when possible
- 8. Use slicers sparingly
- 9. Ensure reports and data sources are in the same region

- 10. Import only necessary fields and tables instead of entire data sets
- 11. Use templates (.PBIT files) instead of empty .PBIX files
- 12. Reduce queries
- 13. Avoid bi-directional and many-tomany relationships against high cardinality columns
- 14. Avoid floating point data types
- 15. Replace the auto-generated date table with a custom date table
- 16. Set IsAvailableinMdx to false on non-attribute columns
- 17. Reduce the amount of data loaded on page load
- 18. Use report backgrounds for static images

## References